

Title (en)

Double clutch gearing with position holding function

Title (de)

Doppelkupplungsgetriebe mit Zustandshaltefunktion

Title (fr)

Engrenage à double embrayage avec fonction de maintien de position

Publication

EP 1517059 B1 20060517 (DE)

Application

EP 04018544 A 20040803

Priority

DE 10338355 A 20030821

Abstract (en)

[origin: US2005043141A1] A double clutch drive has a first and a second clutch, wherein for normal operation for the closing and opening of the first clutch a first hydraulic device governed by an electronic control is provided, and for the closing and opening of the second clutch a second hydraulic device is provided. Also, a position-holding hydraulic device is provided to which position signals are delivered corresponding to the momentary position of the first and second clutch, and which is connected via hydraulic control lines with the first and second hydraulic device, while in the event of a failure of the electronic control the position-holding hydraulic device hydraulically operates the first and the second hydraulic control such that, at least in many positions of the clutches, the clutch positions that are present immediately prior to the failure of the electronic control are sustained.

IPC 8 full level

F16D 3/12 (2006.01); **F16D 21/06** (2006.01); **F16D 25/12** (2006.01); **F16D 48/02** (2006.01); **F16D 48/04** (2006.01); **F16D 48/06** (2006.01); **F16H 61/12** (2006.01); **F16H 3/00** (2006.01)

CPC (source: EP US)

F16D 21/06 (2013.01 - EP US); **F16D 48/0206** (2013.01 - EP US); **F16D 48/04** (2013.01 - EP US); **F16D 48/062** (2013.01 - EP US); **F16D 48/066** (2013.01 - EP US); **F16H 61/12** (2013.01 - EP US); **F16H 61/688** (2013.01 - EP US); **F16D 2021/0653** (2013.01 - EP US); **F16D 2500/1024** (2013.01 - EP US); **F16D 2500/3024** (2013.01 - EP US); **F16D 2500/30406** (2013.01 - EP US); **F16D 2500/3067** (2013.01 - EP US); **F16D 2500/7041** (2013.01 - EP US); **F16H 3/006** (2013.01 - EP US); **F16H 2003/0933** (2013.01 - EP US); **F16H 2061/1232** (2013.01 - EP US); **F16H 2061/124** (2013.01 - EP US); **F16H 2061/1244** (2013.01 - EP US); **F16H 2061/1268** (2013.01 - EP US); **Y10S 477/906** (2013.01 - EP US)

Cited by

CN107299965A; DE102007037589A1; DE102007037589B4; US7736270B2; WO2005106291A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 2005043141 A1 20050224; **US 7163096 B2 20070116**; DE 10338355 A1 20050317; DE 502004000572 D1 20060622; EP 1517059 A1 20050323; EP 1517059 B1 20060517

DOCDB simple family (application)

US 92021204 A 20040818; DE 10338355 A 20030821; DE 502004000572 T 20040803; EP 04018544 A 20040803